

THE CLAIMS

1. An evacuated glass panel having degassing device, which includes at least two planar glass sheets having any shape and support means disposed therebetween, edge frame component sealed around the periphery of the planar glass sheet, and degassing device disposed in the evacuated space of evacuated glass panel, characterized in that said degassing device is placed in the groove opened on inner surface of planar glass sheet; between said degassing device and said groove a low melting point glass powder layer is placed, and said degassing device through said low melting point glass powder layer is fixed and joined in said groove.
2. The evacuated glass panel having degassing device according to claim 1, wherein said groove is opened on inner surface at the same position of two planar glass sheets; in said groove said low melting point glass powder layer is applied.
3. The evacuated glass panel having degassing device according to claim 2, wherein said degassing device simultaneously inserted in to the groove on the inner surface at the same position of two planar glass sheets, and through said low melting glass powder layer fixed and joined with said groove.
4. The evacuated glass panel having device according to claim 3,

wherein said groove is a square, circular or cone-shape groove.

5. The evacuated glass panel having degassing device according to claim 1, wherein on outer surface of planar glass sheet a sealing piece for sealing air discharge hole is inserted; around the periphery of said air discharge hole at surface of glass sheet a concave portion is opened for receiving the sealing piece in concave portion; said sealing piece through the low melting point glass powder layer is melted and joined with said concave portion, and close said air discharge hole.
6. The evacuated glass panel having degassing device according to claim 5, wherein said sealing piece has a thickness corresponding to the total thickness of low melting point glass powder layer, and equal to the deepness of said concave portion.
7. The evacuated glass panel having degassing device according to claim 2 or, 5, wherein said groove is disposed on the inner surface of another planar glass sheet at the said position as that of air discharge hole, making the another end of degassing device insert into inner end portion of said air discharge hole.
8. The evacuated glass panel having degassing device according to claim 1, 2, 5 or 6, wherein said low melting glass powder

layer is formed through sintering the low melting point glass powder.